

1A7 Rec'd PCT/PTO 13 JUL 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/533,833

Filed: May 3, 2005

1<sup>st</sup> Inventor: Masahiro Kajino

For: Receptor Regulator

Atty. Dkt. No. 3116US0P

Art Unit: tba

Examiner: tba

Allowed:

Batch:

Paper No.:

**CERTIFICATE OF EXPRESS MAILING UNDER 37 CFR 1.10**

**USPS EXPRESS MAIL LABEL. No. EV 684085273 US**

**DATE IN: July 13, 2006**

**Itemized Papers/Items:**

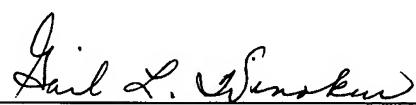
1. This Postcard and Certificate of Express Mailing (2 pages)
2. Transmittal Form (1 page) and Fee Transmittal Form (1 page x 2)
3. Petition for Extension of Time (1 page x 2)
4. Response to Notice of Missing Requirements (1 page), and copy of Notification of Missing Requirements (2 pages)
5. Copy of stamped dated postcard from USPTO indicating receipt of executed copies of Declaration and Assignment (1 page).
6. Copy of receipt of United States Postal Service indicating date of filing ( page).
7. Resubmitted copy of executed Declaration (5 pages)
8. Resubmitted copy of executed Assignment (2 pages), and Recordation Cover Sheet (1 page x 2)

The undersigned hereby certifies that the above itemized papers are together being deposited with the Express Mail Post Office to Addressee service of the United States Postal Service (USPS) in an envelope with sufficient postage, having the USPS Express Mail Label No. shown above, and addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on this date, 7/13/06

Dated: 7/13/06

  
Gail L. Winokur

Takeda Pharmaceuticals North America, Inc.  
Intellectual Property Department  
475 Half Day Road  
Lincolnshire, IL 60069 USA

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TRANSMITTAL  
FORM

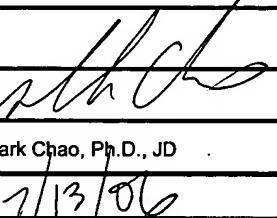
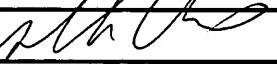
(to be used for all correspondence after initial filing)

Application Number	10/533,833
Filing Date	May 3, 2005
First Named Inventor	Masahiro Kajino
Art Unit	tba
Examiner Name	tba
Total Number of Pages in This Submission	21
Attorney Docket Number	3116 USOP

## ENCLOSURES (Check all that apply)

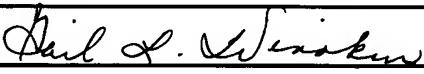
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Return Postcard;
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	<input type="checkbox"/> Certificate of Express Mailing;
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> Stamped return postcard; receipt of USPS;
<input checked="" type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> Previously submitted Declaration and Assignment
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		<input type="checkbox"/> Copy of Notice
Remarks		
The Commissioner is authorized to charge any appropriate fees or credit any overpayment to Applicant's USPTO Deposit Account No. 500799.		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name			
Signature			
Printed name	Mark Chao, Ph.D., JD		
Date	7/13/06	Reg. No.	37,293

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: **EXPRESS**

Signature			
Typed or printed name	Gail L. Winokur	Date	7/13/06

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2006

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

120.00

## Complete if Known

Application Number	10/533,833
Filing Date	May 3, 2006
First Named Inventor	Masahiro Kajino
Examiner Name	tba
Art Unit	tba
Attorney Docket No.	3116 USOP

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 500799 Deposit Account Name: Takeda Pharmaceutical Company

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s)  Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

## FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)

## 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

## 2. EXCESS CLAIM FEES

## Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	
				Fee (\$)	Fee (\$)
- 20 or HP =	x	=		50	25

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	
				Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	=			

HP = highest number of independent claims paid for, if greater than 3.

## 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		=

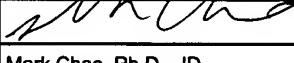
## 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Petition for Extension of Time

120.00

## SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 37,293	Telephone 847-883-3372
Name (Print/Type)	Mark Chao, Ph.D., JD	Date 7/13/06	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Express Mail #EV 684085273 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	10/533,833	Art Unit:	tba
Filed:	May 3, 2005	Examiner:	tba
1 <sup>st</sup> Inventor:	Masahiro Kajino	Allowed:	
For:	Receptor Regulator	Batch:	
Atty. Dkt. No.	3116US0P	Paper No.:	

Response to Notice of Missing Requirements Under 35 USC §371

**MAIL STOP MISSING PARTS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

On May 3, 2005, Applicants submitted an Application for filing in the USPTO. At that time, Applicants submitted a copy of the duly executed Declaration, together with a copy of an Assignment. Copies of the stamped and dated return postcard from the USPTO and an Express Mail Receipt from the United States Postal Service indicating the filing date is enclosed for your review.

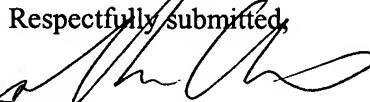
In response to the Notice of Missing Requirements mailed April 19, 2006, Applicants respectfully submit a true and correct copy of the duly executed Declaration of the inventors previously submitted for the above-identified application filed May 3, 2005.

Also enclosed is a true and correct copy of the Assignment, and Assignment Recordation Cover Sheet previously submitted for the above-identified application filed May 3, 2005.

Applicants herewith authorize the Commissioner to charge the Applicants' USPTO deposit account 500799 for any fees deemed appropriate.

Early allowance of the claims is requested. Should the Examiner believe that a conference with applicants' attorney would advance prosecution of this application, the Examiner is respectfully invited to call applicants' attorney.

Dated: 7/13/06  
(847)383-3372  
(847)383-3391

Respectfully submitted,  


Mark Chao, Ph.D., Reg. No. 37,293  
Elaine M. Ramesh, Ph.D., Reg. No. 43032  
Attorney for Applicants  
Customer No. 23115

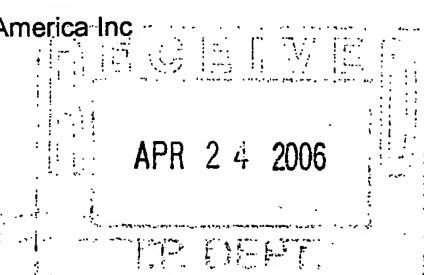

**UNITED STATES PATENT AND TRADEMARK OFFICE**

370

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
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 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/533,833	Masahiro Kajino	3116 USOP
		INTERNATIONAL APPLICATION NO.
		PCT/JP03/14101
		I.A. FILING DATE      PRIORITY DATE
		11/05/2003      11/06/2002
CONFIRMATION NO. 7356		
371 FORMALITIES LETTER		
 *OC000000018563548*		

Date Mailed: 04/19/2006



**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 05/03/2005
- English Translation of the IA filed on 05/03/2005
- Copy of the International Search Report filed on 05/03/2005
- Copy of IPE Report filed on 05/03/2005
- Preliminary Amendments filed on 05/03/2005
- Information Disclosure Statements filed on 05/03/2005
- Biochemical Sequence Diskette filed on 05/03/2005
- Biochemical Sequence Listing filed on 05/03/2005
- Request for Immediate Examination filed on 05/03/2005
- U.S. Basic National Fees filed on 05/03/2005
- Assignment filed on 05/03/2005
- Priority Documents filed on 05/03/2005
- Specification filed on 05/03/2005
- Claims filed on 05/03/2005
- Paper nucleotide sequence listings filed on 05/03/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath

or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is **\$130** for a Large Entity:

- **\$130** Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

JOHN L ANDERSON

---

Telephone: (703) 308-9140 EXT 211

**PART 1 - ATTORNEY/APPLICANT COPY**

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U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/533,833	PCT/JP03/14101	3116 US0P

FORM PCT/DO/EO/905 (371 Formalities Notice)

Application No.:	Based on PCT/JP2003/014101	Art Unit:	tba
Filed:	Intl. Filing 05 NOVEMBER 2003	Examiner:	tba
1 <sup>st</sup> Inventor:	Masahiro KAJINO	Allowed:	
For:	Receptor Regulator	Batch:	
Atty Dkt. No.	3116 US0P	Paper No.:	

The USPTO is requested to kindly acknowledge receipt of the following items:

1. This Postcard and Certificate of Express Mailing (2 pages)
2. Transmittal Letter for Filing under 35 USC 371 (2 pages X 2)
3. Specification - total pages (231) including Claims 1-28 (pages 216-223, Abstract (1 page) and Sequence Listing (7 pages)
4. Declaration and Power of Attorney (5 pages)
5. Copies of Forms PCT/IB/ 301,304, 306,308,332 (5 pages)
6. Copy of Cover Page International Application (WO 2004/041282) (1 page)
7. Copy of International Search Report (4 pages)
8. Preliminary Amendment (10 pages)
9. Information Disclosure Statement (1 page), Form PTO/SB/08A and PTO/SB/08B (2 pages), cited references (16)
10. Submission of Sequence Listing Requirements (1 page), CRF of Sequence Listing (4 pages), and IBM PC/AT format disk containing the CRF of the Sequence Listing.
11. Executed Assignment (2 pages) and Recordation Cover Sheet (1 page X 2)

Respectfully submitted 5/4/05 For Customer No. 23,115  
 Express Mail Label No. EV 524904300 US  
 By Mark Chao, PhD, JD - Reg. No. 37,293

JC03 Rec'd PCT/PTO 03 MAY 2009 370

Application No.:	Based on PCT/JP2003/014101	Art Unit:	tba
Filed:	Intl. Filing 05 NOVEMBER 2003	Examiner:	tba
1 <sup>st</sup> Inventor:	Masahiro KAJINO	Allowed:	
For:	Receptor Regulator	Batch:	
Atty Dkt. No.	3116 US0P	Paper No.:	

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4. Declaration and Power of Attorney (5 pages)
5. Copies of Forms PCT/IB/ 301,304, 306,308,332 (5 pages)
6. Copy of Cover Page International Application (WO 2004/041282) (1 page)
7. Copy of International Search Report (4 pages)
8. Preliminary Amendment (10 pages)
9. Information Disclosure Statement (1 page), Form PTO/SB/08A and PTO/SB/08B (2 pages), cited references (16)
10. Submission of Sequence Listing Requirements (1 page), CRF of Sequence Listing (4 pages), and IBM PC/AT format disk containing the CRF of the Sequence Listing.
11. Executed Assignment (2 pages) and Recordation Cover Sheet (1 page X 2)

10/533833

Respectfully submitted 5/4/05 For Customer No. 23,115  
 Express Mail Label No. EV 524904300 US  
 By Mark Chao, PhD, JD - Reg. No. 37,293



EV 524904300 US



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Date In <b>3-3-05</b>	Postage <b>\$ 30.40</b>	
Mo. Day Year <b>7/7/06</b>	<input type="checkbox"/> 12 Noon <input type="checkbox"/> 3 PM	Military Return Receipt Fee
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No Delivery <input type="checkbox"/>	Acceptance Clerk Initials <b>CA</b>	Insurance Fee <b>\$ 0.00</b>
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Mo. Day	<input type="checkbox"/> AM <input type="checkbox"/> PM	

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NO DELIVERY  Weekend  Holiday

Customer Signature

 Signature Signature Signature

Merchandise insurance is void if without obtaining signature of addressee or addressee's agent (if delivery employee judges that article can be left in secure location) and I authorize that delivery employee's signature constitutes valid proof of delivery.

Customer Signature

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Docket No. **200672**

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Stock Unit Id	GREGSSA
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USPS #	1615400069

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 Amount Charged: 30.40

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Total	0.00

Number of Items Sold: 1

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